

WHAT IS CLAIMED IS:

1. A method of tracking movement of a moving object to track and determine productivity comprising the steps of:

receiving a current position comprising longitude, latitude, and altitude of said

5 object;

obtaining data including the current position and activity of said object;

repeating the receiving and obtaining steps for a period of time to create positional movements and the activities for said period of time;

10 overlaying the positional movements and the activities on a two or three-dimensional map for said period of time;

analyzing the positional movements and the activities of said map for said period of time; and

determining the productivity of said object from the analyzed positional movements and the activities.

15 2. A method according to Claim 1 wherein said object is comprised of an employee, equipment, or vehicle.

3. A method according to Claim 2 wherein:

said data further includes time information and identification of said object.

4. A method according to Claim 3 wherein said period of time is for a work day.

20 5. A method according to Claim 4 wherein:

the overlaying step further comprises the step of:

recreating said positional movements of said object; and

the determining step of further comprises the step of:

determining productivity from the recreated movements.

25 6. A method according to Claim 5 further comprising the steps of:

security tracking of said object to determine whether during the activity said individual enters a non-required area;

identifying security policies; and

enforcing said policies.

30 7. A method according to Claim 2 further comprising the steps of:

determining repair/maintenance intervals of said equipment or said vehicle.

8. A method according to Claim 1 further comprising the steps of:

determining difficulty of the activities from the analyzed activities; and

determining pay incentives.

5 9. A method according to Claim 1 wherein the determining step further comprises the step of:

determining non-productive movements.

10. A method according to Claim 1 further comprising the steps of:

assigning said object to a next task based on said current position.

10 11. A system configured to perform the method of Claim 1.

12. A system of tracking movement of moving objects comprising:

a plurality of devices, each device being associated with a respective moving object and adapted to receive a current position via a global positioning system (GPS) signal and transmit data including the current position and an activity of the object; and

15 a host computer obtaining the data for a period of time to create positional movements and activities of said object for said period of time and overlaying the positional movements and the activities on a two or three dimensional map for said period of time for the basis of determining the productivity of said object from the positional movements and the activities.

20 13. The system according to Claim 12 wherein said object is comprised of an employee, equipment, or vehicle.

14. A system according to Claim 13 wherein the devices are selected from the set of a portable data terminal and a badge wherein said portable data terminal and said badge comprise:

25 a radio frequency transmitter to transmit the data; and,
a positioning system receiver.

15. The system according to Claim 14 wherein:

said data further includes time information and identification of said object.

16. The system according to Claim 15 wherein said period of time is for a work day.